

## CLAIMS

What is claimed is:

1. A system for facilitating communication between infrared devices, said system comprising:
  - a) an initiating transmitter and an initiating detector;
  - b) a receiving transmitter and a receiving detector, said receiving transmitter configured to transmit pulses;
  - c) initiating control logic configured to cause an Attention Signal to be emitted from said initiating transmitter, said initiating transmitter in detection range of said receiving detector; and
  - d) receiving control logic configured to discontinue transmission of pulses of the receiving transmitter upon detection of said Attention Signal, allowing an optical link between the initiating transmitter and initiating detector and the receiving transmitter and receiving detector.
2. A system for facilitating communication between infrared devices as claimed in claim 1 wherein said the receiving transmitter and receiving detector is a plurality of receiving transmitters and receiving detectors, and the receiving control logic includes a receiving control logic corresponding to each of said plurality of receiving transmitters and receiving detectors.
3. A system for facilitating communication between infrared devices, said system comprising:

- a) a receiving transmitter and a receiving detector;
  - b) a broadcast transmitter and a broadcast detector, said broadcast transmitter transmitting pulses;
  - c) broadcast control logic configured to emit from said broadcast transmitter a broadcast signal indicating errors detected; and
  - d) receiving control logic configured to detect by said receiving detector the Broadcast Signal.
4. A method for communicating between infrared devices, said method comprising:
- a) emitting an Attention Signal from an initiating transmitter within the detection range of a receiving detector that is coupled to an active receiving transmitter that is emitting pulses;
  - b) receiving the Attention Signal with said receiving detector;
  - c) discontinuing the pulse emissions from the active receiving transmitter; and
  - d) establishing a data link between the receiving transmitter and receiving detector and the initiating transmitter and initiating detector.